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| FORM PTO-1149 (REV. 7-80) | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO. 5576 413471/020 | SERIAL NO. 1040186289 PRO 02/13/01 |
| LIST OF PRIOR ART CITED BY APPLICANT <i>(Use several sheets if necessary)</i> | | APPLICANT STAN A. BROWN ET AL | |
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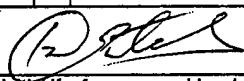
| U.S. PATENT DOCUMENTS | | | | | | | | |
|-----------------------|----|-----------------|---|------|-----------------|-------|----------|-------------------------------|
| EXAMINER INITIAL | | DOCUMENT NUMBER | | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| 111 | AA | 6 | 0 | 1 | Schwartz et al | 600 | 504 | |
| | AB | 5 | 9 | 9 | Sissom et al | 119 | 14.14 | |
| | AC | 5 | 8 | 9 | Brown | 119 | 14.02 | |
| | AD | 5 | 8 | 7 | Arvidson et al | 73 | 215 | |
| | AE | 5 | 7 | 9 | Van den Berg | 73 | 861.15 | |
| | AF | 5 | 7 | 2 | Carrano et al | 119 | 14.46 | |
| | AG | 5 | 6 | 3 | Boult et al | 73 | 223 | |
| | AH | 5 | 4 | 2 | Kobayashi et al | 73 | 861.12 | |
| | AI | 5 | 3 | 7 | Kiene et al | 73 | 861.15 | |
| | AJ | 5 | 2 | 4 | Hoefelmayr | 119 | 14.15 | |
| 111 | AK | 5 | 2 | 1 | Hogan | 62 | 73 | |

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | | | | | | |
|-----|----|-----------------|---|------|---------|-------|----------|-------------|---------|------------------------------|-------|------|--|---|
| | | | | | | | | YES | NO | | | | | |
| 111 | AL | 2 | 1 | 2 | 4 | 8 | 7 | 7 | 29Feb84 | United Kingdom/GB | A01J7 | 00 | | |
| 111 | AM | 0 | 4 | 2 | 6 | 2 | 6 | 6 | 08May91 | European Pat Off | B67D | 1/12 | | |
| 111 | AN | 0 | 5 | 0 | 9 | 2 | 8 | 8 | 21Oct92 | European Pat Off (German) | G01F | 1/72 | | X |
| | AO | | | | | | | | | | | | | |
| | AP | | | | | | | | | | | | | |

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | |
|-----|----|---|
| 111 | AR | Pages 235 through 284, Chapter 7, <i>Basic Mechanics and Testing of Milking Systems</i> , G. A. Mein, MACHINE MILKING AND LACTATION, Editors: |
| | | A.J. BRAMLEY, F.H. DODD, G. A. MEIN & J.A. BRAMLEY, Insight Books, 1992 (the "Bramley et al Reference") |
| | AS | |
| | | |

| EXAMINER | DATE CONSIDERED |
|---|-----------------|
|  | 8/26/03 |

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| EXAMINER INITIAL | | DOCUMENT NUMBER | | | | | | | DATE | NAME | | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE | |
| 10 | BA | 5 | 1 | 1 | 6 | 1 | 1 | 9 | 05/26/92 | Brayer | | 356 | 28 | | |
| | BB | 5 | 0 | 9 | 4 | 1 | 1 | 2 | 03/10/92 | Hoefelmayr et al | | 73 | 861.04 | | |
| | BC | 5 | 0 | 4 | 6 | 5 | 1 | 0 | 09/10/91 | Ams et al | | 128 | 771 | | |
| | BD | 4 | 9 | 7 | 4 | 4 | 4 | 8 | 12/04/90 | Icking | | 73 | 304 | | |
| | BE | 4 | 9 | 2 | 2 | 8 | 5 | 5 | 05/08/90 | Tomizawa et al | | 119 | 14.15 | | |
| | BF | 4 | 7 | 9 | 7 | 6 | 6 | 6 | 01/10/89 | Baxter et al | | 340 | 606 | | |
| | BG | 4 | 7 | 5 | 6 | 2 | 7 | 4 | 07/12/88 | Rubino | | 119 | 14.08 | | |
| | BH | 4 | 6 | 1 | 6 | 2 | 1 | 5 | 10/07/86 | Maddalena | | 340 | 626 | | |
| | BI | 4 | 6 | 0 | 5 | 0 | 4 | 0 | 08/12/86 | Meermeller | | 137 | 489 | | |
| | BJ | 4 | 5 | 7 | 4 | 7 | 3 | 6 | 03/11/86 | Tanaka et al | | 119 | 14.08 | | |
| | BK | 4 | 5 | 7 | 2 | 1 | 0 | 4 | 02/25/86 | Rubino | | 119 | 14.02 | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | | | | | | | | | |
| | | DOCUMENT NUMBER | | | | | | | DATE | COUNTRY | | CLASS | SUBCLASS | TRANSLATION | |
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| MM | CA | 4 | 5 | 3 | 0 | 4 | 6 | 5 | 07/23/85 | Gauchet et al | 239 | 127 | | |
| | CB | 4 | 5 | 1 | 6 | 5 | 3 | 0 | 05/14/85 | Reisgies et al | 119 | 14.08 | | |
| | CC | 4 | 4 | 3 | 3 | 5 | 7 | 7 | 02/28/84 | Khurigin et al | 73 | 290 | | |
| | CD | 4 | 3 | 6 | 4 | 2 | 6 | 9 | 12/21/82 | Kennerly | 73 | 223 | | |
| | CE | 4 | 2 | 9 | 2 | 9 | 2 | 6 | 10/06/81 | Tilman | 119 | 14.02 | | |
| | CF | 4 | 1 | 1 | 2 | 7 | 5 | 8 | 09/12/78 | Heidecker | 73 | 218 | | |
| | CG | 4 | 0 | 1 | 5 | 4 | 7 | 1 | 04/05/77 | Marsh | 73 | 194 | | |
| | CH | 3 | 9 | 8 | 9 | 0 | 0 | 9 | 11/02/76 | Robar | 119 | 14.08 | | |
| | CI | 3 | 7 | 8 | 3 | 8 | 3 | 7 | 01/08/74 | Olander | 119 | 14.08 | | |
| | CJ | 3 | 5 | 4 | 7 | 0 | 8 | 0 | 12/15/70 | Russell | 119 | 14.14 | | |
| | CK | 3 | 4 | 7 | 6 | 0 | 8 | 5 | 11/04/69 | Noorlander | 119 | 14.36 | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | | | | | | | | |
| | | DOCUMENT NUMBER | | | | | | DATE | COUNTRY | | CLASS | SUBCLASS | TRANSLATION | |
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| MJ | DA | 3 | 2 | 4 | 2 | 7 | 2 | 9 | 03/29/66 | Keller | 73 | 194 |
| MD | DB | 2 | 8 | 9 | 8 | 5 | 4 | 9 | 08/04/59 | Miller | 324 | 30 |
| MJ | DC | D | 3 | 5 | 7 | 8 | 7 | 7 | 06/02/95 | Johannesson et al | D10 | 96 |
| | DD | | | | | | | | | | | |
| | DE | | | | | | | | | | | |
| | DF | | | | | | | | | | | |
| | DG | | | | | | | | | | | |
| | DH | | | | | | | | | | | |
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| | | | | | | | | | | 3/2/07 | | |
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